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ABSTRACT

This handbook is intended to be a ready source of reference for educators who want to find out about STS (Science, Technology and Society). Ideas, strategies, and models for implementing STS in the classroom are provided in this volume. The articles that appear here reflect current thinking in the field of STS education. These articles encompass a wide range of topics including: (1) a debate between proponents of the basic science approach to reforming science education and advocates of the STS approach to reforming science education; (2) historical context of STS education; (3) a framework of STS content; (4) STS in social studies education; (5) STS in language arts education; (6) research on the learning outcomes of students in STS classes compared to the learning outcomes of students in traditional science classes; (7) the role of STS in enhancing student creativity; (8) models and strategies for developing problem-solving, decision-making and issue investigation skills; (9) STS curriculum development; and (10) the future of STS and more. The articles in this volume were either written specifically for this work, or have been published earlier and are reprinted with permission. There is an introduction, over 20 articles related to the topic of STS, a position paper on STS assessment and evaluation in K-12 schools, and excerpts from "Update: Project 2061." (EH)

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